

INDEX TO VOL. XI.

	PAGE
Address of the President.....	10
BARRON, HUGH J., Disc. on Heating Top Story of a Building, 81; on Central Station Heating Systems, 214; Paper CXLVII., <i>Drying by Steam, Hot Air, and Water Gases</i> , 222; Disc. on The Protec- tion of Underground Piping, 260; on The Production of Wrought Iron Screw Nipples.....	270
BLACKWOOD, J. J., Disc. on Moisture in Houses, 50; on Gas as a Fuel for Hot-air Heating.....	60
Boilers, House-heating, using Bituminous Coal, 140; Disc. on Firebox versus Bricksetting, 182; Cast-iron, Ratio of Flue Area to Grate Area	269
BOLTON, R. P., Paper CXXXVII., <i>Steam Heating in Connection with Condensing Engines</i>	64
BRENNAN, JOHN S., Disc. on Heating Skylighted Rooms, 85; Paper CXXXIX., <i>The Circulation of Hot Water</i>	93
CARPENTER, PROF. R. C., Paper CXXXV., <i>Investigation of Accuracy of a Direct-reading Hydrometer</i> , 33; Disc. on Steam Heating in Connection with Condensing Engines, 74; Paper CXL., <i>The Art of Heating and Ventilating Fifty Years Earlier</i> , 112; Paper CXLI., <i>Test of a Steam-heating Boiler</i> , 120; Disc. of Possibilities in Heating with Hot Air.....	241
CAPRON, E. F., Paper CXLIV., <i>Residence Heating</i>	174
CARY, ALBERT A., Disc. on Gas as a Fuel for Hot-air Heating, 62; on Hot Water Circulation, 105; on Ventilating Tunnels and Sub- ways, 124; on House-heating Boilers, Using Bituminous Coal, 140; on Heating Water by Steam, 144; on Grate Surface for Dif- ferent Fuels.....	146
Central-station Hot-water Heating System, Paper CXLVI., by J. D. HOFFMAN.....	199
CHEW, F. K., Disc. on Moisture in Houses, 50; on Gas as a Fuel for Hot-air Heating, 58; on Grate and Heating Surface in Furnace Heating, 134; on Legislation in Different States, 161; on Large Mains with Branches in Hot-air Systems, 265; on Vacuum Sys- tem of Hot-water Heating.....	268
DONNELLY, JAS. A., Disc. on Heating with Hot Air, 244; on Overhead Mains for Hot Water.....	255
DONNELLY, WM., Disc. on Gas as a Fuel for Hot-air Heating.....	63
Drying by Steam, Hot Air and Waste Gases.....	223
FELDMAN, A. M., Disc. on Indoor Humidity, Topic No. 13.....	151
Flow of Air in Metal Pipes, Paper CXLIV., by J. H. KINEALY.....	189

	PAGE
Furnace Heating, Grate and Heating Surface in, 134; Return Air Flues in	136
Furnace Heating, Large Mains with Branches in.....	171, 265
Gas as a Fuel for Hot-air Heating, Paper CXXXVI., by R. S. THOMPSON	52
Grate and Heating Surface in Furnace Heating, Topic No. 3.....	134
HARVEY, ANDREW, Presidential Address, 10; Disc. on Protection of * Underground Piping.....	264
Heating and Ventilating Fifty Years Earlier, Paper CXL., by R. C. CARPENTER	112
Heating Large Quantities of Water by Steam, Topic No. 6.....	144
Heating of Residences, Paper CXLIV., by E. F. CAPRON.....	174
Heating with Hot Air, Possibilities of, Paper CXLVIII., by R. S. THOMPSON	235
HOFFMAN, J. D., Paper CXLVI., <i>Design of Central-station Hot-water Heating Systems</i>	199
Hot-air Heating, <i>see</i> <i>Furnace Heating</i> .	
Hot Water, The Circulation of, Paper CXXXIX., by J. S. BRENNAN..	93
Hot-water Heating, Sizes of Overhead Mains in.....	254
HOYT, Vacuum System of Hot-water Heating.....	266
Humidity of Air, Disc. on.....	43, 139, 151
Hygrometer, Investigation of the Accuracy of a, Paper CXXXV., by R. C. CARPENTER.....	33
Illinois, Bill for Ventilation of Public Buildings.....	161, 166
JEWETT, F. N., Disc. on Central-station Heating Systems, 220; on Protection of Underground Piping.....	263
KENT, WILLIAM, Disc. on Moisture in Houses.....	47
KINEALY, J. H., Paper CXLV., <i>Flow of Air in Metal Pipes</i>	189
Legislation on Ventilation of Public Buildings.....	15, 161, 168
LYMAN, C. M., Return Air Flues in Hot-air Heating.....	136
MACKAY, JAMES, Disc. of Sheet Metal Radiation.....	250
MACKAY, WM. M., Disc. on Radiators in Top Story of a Building, 80; of Hot-water Radiators, 98; of Hot-water Overhead Mains, 259; on Flue Area in Cast-iron Boilers.....	269
Massachusetts Law for Ventilating Buildings.....	168
Moisture in Heated Houses, Discussion of.....	43, 139, 151
MUNROE, E. K., Disc. on Radiators in Top Story of a Building, 87; on Overhead Hot-water Mains.....	254, 257
Nipples, Wrought-iron Screw, Production of, H. J. BARRON.....	270
NOWELL, H. W., Paper CXLIX., <i>Sheet-metal Radiation</i>	249
O'NEIL, A. J., Disc. on Furnace Heating.....	137
OLDACRE, C. E., Disc. on Furnace Heating, 138; on Humidity in Heated Rooms.....	153
President's Address.....	10
QUAY, D. M., Disc. on Heating a Dome.....	81
Radiators, Durability of, by R. C. CARPENTER.....	252
Radiators in the Top Story of a Building, 78; Position of, in Rooms..	184
RECK, A. B., Paper CXXXVIII., <i>Experience with Radiators in the Top Story of a Building</i>	78
Report of the Secretary.....	12

	PAGE
Report of the Treasurer.....	13
Report of the Board of Governors.....	14
Report of the Committee on Compulsory Legislation.....	15
Report of the Tellers of Election.....	17
Report of the Committee on Tests.....	22
Residence Heating, Paper CXLIV., by E. F. CAPRON.....	174
SCHOTT, W. H., Disc. on Central-station Heating Systems, 217; on the Protection of Underground Piping.....	261
SCOTT, G. W., Disc. on Drying by Steam, Hot Air, etc.....	232
Sheet-metal Radiation, Paper CLXIX., by H. W. NOWELL.....	249
Skylighted Rooms, Difficulty of Heating.....	83
SMITH, DR. HENRY MITCHELL, Disc. on Moisture in Heated Rooms..	151
Steam Heating in Connection with Condensing Engines, Paper CXXXVII., by R. P. BOLTON.....	64
Test of a Steam-heating Boiler, Paper CXLI., by R. C. CARPENTER...	120
THOMPSON, R. S., Paper CXLVIII., <i>Possibilities in Heating with Hot Air</i>	235
Tunnels, Subways, etc., Ventilation of, Topic No. 2.....	124
Underground Piping, Protection of.....	260
Vacuum System of Hot-water Heating, by A. G. HOYT.....	266
Ventilation as Practised Fifty Years Earlier, Paper CXL.....	112
Ventilation of Tunnels, Subways, etc., Topic No. 2.....	124
VROOMAN, W. C., Disc. on Heating Top Story of a Building, 91; Heating a High Building with Hot Water.....	110